

The diagram illustrates a three-electrode electrochemical cell setup with a potentiostat. The central reference electrode (RE) is connected to a potentiometer (PC) and a feedback amplifier (F1). The working electrode (WE) is connected to a current source (Z.1) and a feedback amplifier (F2). The counter electrode (CE) is connected to a feedback amplifier (F3). The circuit includes various resistors (R_1 , R_2 , R_i , R_c) and capacitors (C_1 , C_2). The output of the potentiometer is labeled "Potential output electrode 1" and the output of the feedback amplifier F2 is labeled "Current output electrode 2".

A bipotentiostat based on the adder concept. On the left is essentially the system of Figure 13.4.5, which is devoted to electrode 1. On the right is a network for controlling electrode 2. For large currents at both electrodes, boosters might have to be added to CF1 and CF2.